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PROJECT ZNITIATION FORM R&D LABORATORY



PROJECT TITLE: Circuit and Componer Calling System	nt Evaluation, Transmitter, Receiver and Se	elective
	NCLATURE PRIORI	TY Routine
EST. STARTING DATE 10-6-58	DATE REQUIRED Routine	
CLASSIFICATION/QUANTITY: EQUIPMEN	T Unclassified / REPORT SECRET	/Rtn
SOURCE OF REQUEST: EP request de	plus 6 copie ated 7 Nov. 58 DATE REC'D	s to EP
AUTHORITY:	LIAISON CONFACT:	25X1
RESPONSIBILITY: UNIT A&A	ENGINEER	25X1
PROJECT DESCRIPTION:		25X1
 To determine the value and components developed under 	effectiveness of any and all unique circui	try or
2. lesus required (Transmitter	and Receiver): Class A - 1	
	- 3 - 4	
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	A-11 and RR/A-11 Receivers. 2359	
3. Temperature: -40° to +		2010 ame
4. The final report shall be us	sed as specification. REASON 3d(3)	
	DOCUMENT NO. 4 NO CHANGE IN CLASS. []	
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	AUTH: HR 70 0x	0 2010
	DATE: 4/12 DE REVIEV	037169
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Date Completed:	SIGNED	
Folder Location: Room # Safe #	DATE 19 November 1958	
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SUBJECT:	(Optional)	<u> </u>			
FROM:					NO.
	CC-E/R+D-EP				DATE
TO: (Office	er designation, room number, and		ATE	<u> </u>	10 Nov 1958
building)		RECEIVED	FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from wh to whom. Draw a line across column after each comme
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2.	`				request for record purposes.
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		REQUEST NO.	PROJECT NO.
REQUEST FOR EQUIPMENT EVALUATION			2110
NEQUEST FOR EQUIFMENT EVALUATION		PRIORITY CLASS	DATE
NOMENCLATURE			*
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No nomenclature assigned. This t vehicle.	ransmitter	is to be consider	ed as a test
MANUFACTURER		· · · · · · · · · · · · · · · · · · ·	
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MÔDEL		PRICE	
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	F EVALUATION		a pro- est
CLASS A (Complete A & A)		(General)	
CLASS B (Partial A & A)	OTHER	(Operational)	
REPORT NEEDED BY (Date)	- 1 - 1	COPIES REQUIRED 6 ea	ah
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EQUIPMENT		REPORT	
SECRET CONFIDENTIAL X UNCLASS.	X SECRET	CONFIDENT	IAL UNCLASS.
PURPOSE OF EVALUATION			
The purpose of this evaluation is			
of any and all uniques circuitry	or componen	nts developed unde	r this project.
The final report shall be used as			
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FOR CLASS B (Specify tests required)	<u> </u>		
Class A - 1			
- 2		• .	• •
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GENERAL	REQUIREMENT	c	
PROPOSED USE OR OPERATION	REQUIRENENT	5	
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GEOGRAPHIC AREA OF PROPOSED USAGE			
NONE			

SPEC IF I	REQUIREMENT	rs	
TEMPERATURE	HUMAN		
-40° to +50°C			
CLIMATE	OTHER Circ	uit and Component	Evaluation
REQUESTING DIVISION		PERFORMING DIV	
DATE APPROVED BY	DATE	APPROVED BY	/15!UN
ALL KOYED BI	DATE	AFFRUVED BY	
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7 Nov. 5	JOANE .	TROJECT OFFICER	23/
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	TYPE OF EVALUATION E	XPLANATION
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CLASS B •	THIS TYPE EVALUATION INCLUDES THE TEST AND EVALUATION OR COMPONENT OF A SYSTEM WHICH ARE SPECIFIED BY THE RECOMMENDATIONS MAY INVOLVE ANY OF THE LISTED CATEGORAND IS DEPENDENT UPON THE NATURE OF THE REQUEST.	REQUESTING INDIVIDUAL OR OFFICE. THE CONCLUSIONS AND
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111.	RECOMMENDATIONS (1) RECOMMENDED OR NOT (2) IF RECOMMENDED, FOR WHAT APPLICATIONS	
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	REQUEST FOR EQUIPMENT EVALU	ATION	PRIORITY CLASS	DATE
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J	· · · · · · · · · · · · · · · · · · ·	TYPE OF EVALUATION	AMA	
CLASS A	(Complete A & A)	, , , , , , , , , , , , , , , , , , ,	(General)	* **
	(Partial A & A)		(Operational)	·
		OTHER		
REPORT	NEEDED BY (Date)		COPIES REQUIRED 6	<u>ch</u>
	SEC EQUIPMENT	URITY CLASSIFICATIO	REPORT	· · · · · · · · · · · · · · · · · · ·
SECRE'T	CONFIDENTIAL X UNCLAS	SS. X SECRET	CONFIDENT	IAL UNCLASS.
PURPOSE OF	EVALUATION The purpose of this evaluati		·	
		ENERAL REQUIREMENT:		
PROPOSED US	SE OR OPERATION			
GEOGRAPHIC	NONE AREA OF PROPOSED USAGE NONE			
TEMPERATURE		PECIFIC REQUIREMENT	S	
I EMPERATORE	-40° to +50°C	HUMAN	•	
CLIMATE		OTHER Circ	nit and Component	Evaluation
	REQUESTING DIVISION		PERFORMING DIV	/ISION
DATE	APPROVED BY	DATE	APPROVED BY	•
DATE	LIAISON CONTACT	DATE	PROJECT OFFICER	25X

TYPE OF EVALUATION EXPLANATION CLASS A ANALYSIS OF SUITABILITY OF CIRCUITS SELECTED TO PERFORM VARIOUS FUNCTIONS (1) (2) RECOMMENDATIONS FOR IMPROVEMENT OF CIRCUIT DESIGN AND/OR INCORPORATION OF MORE SUITABLE COMPONENTS FLEXIBILITY OF SYSTEM FEATURES (3) ANALYSIS OF PROBABLE RELIABILITY OF OPERATION (4) ANALYSIS OF FORM FACTOR OF UNITS OF SYSTEM WHERE APPLICABLE (5) (6) EVALUATION OF RELATIVE EASE OF MAINTENANCE AND SERVICING EVALUATION OF POSSIBLE METHODS OF FURTHER SIZE AND WEIGHT REDUCTION WHERE THIS IS AN IMPORTANT FACTOR (7) (8) ANALYSIS OF IMMUNITY TO FUNGUS, CORROSION, DUST, WATER IMMERSION, ETC. ANALYSIS OF COMPLEXITY OF OPERATION AND RELATIVE DEGREE OF OPERATOR SKILL REQUIRED (9) ANALYSIS OF OPERATIONAL SUITABILITY FOR KNOWN TYPES OF FIELD STATION OR BASE STATION EMPLOYMENT (10) COMPARISON WITH OTHER KNOWN SYSTEMS. DEVICES OR COMPONENTS OF SYSTEMS DESIGNED FOR SIMILIAR FUNCTIONS (11)CLASS B - THIS TYPE EVALUATION INCLUDES THE TEST AND EVALUATION OF ONLY THOSE CHARACTERISTICS OF A SYSTEM, DEVICE-OR COMPONENT OF A SYSTEM WHICH ARE SPECIFIED BY THE REQUESTING INDIVIDUAL OR OFFICE. THE CONCLUSIONS AND RECOMMENDATIONS MAY INVOLVE ANY OF THE LISTED CATEGORIES UNDER THE CLASS "A" EVALUATION DESCRIBED ABOVE AND IS DEPENDENT UPON THE NATURE OF THE REQUEST. CLASS C FLEXIBILITY OF SYSTEM FEATURES (1) (2) SUITABILITY OF FORM FACTOR OF UNITS ANALYSIS OF POSSIBLE APPLICATIONS OF ITEM UNDER CONSIDERATION (3) ANALYSIS OF DEGREE OF OPERATOR SKILL REQUIRED (4) COMMENTS ON UNUSUAL OR NOVEL CHARACTERISTICS WHICH MAY BE EVIDENT FROM TESTS. INSPECTION OR CLAIMED BY THE MANUFACTURER CLASS D - THE OPERATIONAL EVALUATION PERFORMED INCLUDES THE FOLLOWING INFORMATION: PHYSICAL (1) DEFECTS, DAMAGES, OMISSIONS IN PACKING NOTED UPON DELIVERY COMPLEXITY OF ASSEMBLY OR DISASSEMBLY (2) MECHANICAL RELIABILITY 11. **OPERATIONAL** (1) COMPLEXITY OF TUNING OR FUNCTIONAL CHANGES ELECTRICAL RELIABILITY (2) OMISSIONS OF FEATURES, I.E.: POOR STABILITY, RESETTABILITY, SELECTIVITY, ETC. (3) RECOMMENDATIONS (1) RECOMMENDED OR NOT (2) IF RECOMMENDED, FOR WHAT APPLICATIONS

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	REQUEST FOR EQUIPME	NI EVALUATION		PRIORITY CLASS	DATE	
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		TYPE OF	EVALUATION			· · · · · · · · -
CLASS A (Complete A & A) .	1112 01		(General)		
	Partial A & A)			Operational)		
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REPORT NE	EDED BY (Date)			COPIES REQUIRED	6 each	
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BOBOSED HER		GENERAL	REQUIREMENT	S		
ROPUSED USE	or operation None					/
EOGRAPHIC AF	REA OF PROPOSED USAGE None					
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		SPECIFIC	REQUIREMENT	·s		
TEMPERATURE	-40° to +50°C		HUMAN			
CLIMATE			OTHER C1rc	cult and Com	ponent evalu	ation
	REQUESTING DIVISION	·		PERFO	RMING DIVISION	
DATE	APPROVED BY		DATE	APPROVED		
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TYPE OF EVALUATION EXPLANATION CLASS A (1) ANALYSIS OF SUITABILITY OF CIRCUITS SELECTED TO PERFORM VARIOUS FUNCTIONS RECOMMENDATIONS FOR IMPROVEMENT OF CIRCUIT DESIGN AND/OR INCORPORATION OF MORE SUITABLE COMPONENTS

- FLEXIBILITY OF SYSTEM FEATURES (3)
- ANALYSIS OF PROBABLE RELIABILITY OF OPERATION (4) (5)
- ANALYSIS OF FORM FACTOR OF UNITS OF SYSTEM WHERE APPLICABLE (6) EVALUATION OF RELATIVE EASE OF MAINTENANCE AND SERVICING
- EVALUATION OF POSSIBLE METHODS OF FURTHER SIZE AND WEIGHT REDUCTION WHERE THIS IS AN IMPORTANT FACTOR (7)
- ANALYSIS OF IMMUNITY TO FUNGUS, CORROSION, DUST, WATER IMMERSION, ETC. (8).
- (9) ANALYSIS OF COMPLEXITY OF OPERATION AND RELATIVE DEGREE OF OPERATOR SKILL REQUIRED
- ANALYSIS OF OPERATIONAL SUITABILITY FOR KNOWN TYPES OF FIELD STATION OR BASE STATION EMPLOYMENT (10)
- COMPARISON WITH OTHER KNOWN SYSTEMS, DEVICES OR COMPONENTS OF SYSTEMS DESIGNED FOR SIMILIAR FUNCTIONS
- CLASS B THIS TYPE EVALUATION INCLUDES THE TEST AND EVALUATION OF ONLY THOSE CHARACTERISTICS OF A SYSTEM, DEVICE OR COMPONENT OF A SYSTEM WHICH ARE SPECIFIED BY THE REQUESTING INDIVIDUAL OR OFFICE. THE CONCLUSIONS AND RECOMMENDATIONS MAY INVOLVE ANY OF THE LISTED CATEGORIES UNDER THE CLASS "A" EVALUATION DESCRIBED ABOVE AND IS DEPENDENT UPON THE NATURE OF THE REQUEST. .

- (1) FLEXIBILITY OF SYSTEM FEATURES
- (2) SUITABILITY OF FORM FACTOR OF UNITS
- (3) ANALYSIS OF POSSIBLE APPLICATIONS OF ITEM UNDER CONSIDERATION
- ANALYSIS OF DEGREE OF OPERATOR SKILL REQUIRED
- (5) COMMENTS ON UNUSUAL OR NOVEL CHARACTERISTICS WHICH MAY BE EVIDENT FROM TESTS. INSPECTION OR CLAIMED BY THE MANUFACTURER
- CLASS D . THE OPERATIONAL EVALUATION PERFORMED INCLUDES THE FOLLOWING INFORMATION:
 - I. PHYSICAL
 - (1) DEFECTS. DAMAGES, OMISSIONS IN PACKING NOTED UPON DELIVERY
 - (2) COMPLEXITY OF ASSEMBLY OR DISASSEMBLY
 - (3) MECHANICAL RELIABILITY

OPERATIONAL

- (1) COMPLEXITY OF TUNING OR FUNCTIONAL CHANGES
- ELECTRICAL RELIABILITY (2)
- (3) OMISSIONS OF FEATURES, I.E.: POOR STABILITY, RESETTABILITY, SELECTIVITY, ETC.

111. RECOMMENDATIONS

- (1) RECOMMENDED OR NOT
- (2) IF RECOMMENDED, FOR WHAT APPLICATIONS

-5-1- Caro Declassified in Part - Sanitized Copy Approved for Release 2012/08/14 : CIA-RDP78-03535A001800060007-8 **ROUTING AND RECORD SHEET** SUBJECT: (Optional) FROM: OC-E/R+D-EP DATE **10 November 1958** TO: (Officer designation, room number, and DATE OFFICER'S INITIALS COMMENTS (Number each comment to show from whom building) to whom. Draw a line across column after each comment.) RECEIVED **FORWARDED** R+D 2. CONFIRMING PEQUEST 3. 4. 5. R+D LAB 6. 7. 8. 9. 10. 11. 12. 13. 14.

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(3) (4) (5) (6) (7) (8) (9) (10)	ANALYSIS OF SUITABILITY OF CIRCUITS SELECTED TO PERFORM VARIOUS FUNCTIONS RECOMMENDATIONS FOR IMPROVEMENT OF CIRCUIT DESIGN AND/OR INCORPORATION OF MORE SUITABLE COMPONENTS FLEXIBILITY OF SYSTEM FEATURES ANALYSIS OF PROBABLE RELIABILITY OF OPERATION OF A COMPONENTS ANALYSIS OF FORM FACTOR OF UNITS OF SYSTEM WHERE APPLICABLE EVALUATION OF RELATIVE EASE OF MAINTENANCE AND SERVICING
CLASS B -	THIS TYPE EVALUATION INCLUDES THE TEST AND EVALUATION OF ONLY THOSE CHARACTERISTICS OF A SYSTEM, DEVICE OR COMPONENT OF A SYSTEM WHICH ARE SPECIFIED BY THE REQUESTING INDIVIDUAL OR OFFICE. THE CONCLUSIONS AND RECOMMENDATIONS MAY INVOLVE ANY OF THE LISTED CATEGORIES UNDER THE CLASS "A" EVALUATION DESCRIBED ABOVE AND IS DEPENDENT UPON THE NATURE OF THE REQUEST.
(2) (3) (4)	FLEXIBILITY OF SYSTEM FEATURES SUITABILITY OF FORM FACTOR OF UNITS ANALYSIS OF POSSIBLE APPLICATIONS OF ITEM UNDER CONSIDERATION ANALYSIS OF DEGREE OF OPERATOR SKILL REQUIRED COMMENTS ON UNUSUAL OR NOVEL CHARACTERISTICS WHICH MAY BE EVIDENT FROM TESTS, INSPECTION OR CLAIMED BY THE MANUFACTURER
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11.	OPERATIONAL (1) COMPLEXITY OF TUNING OR FUNCTIONAL CHANGES (2) ELECTRICAL RELIABILITY (3) OMISSIONS OF FEATURES, I.E.: POOR STABILITY, RESETTABILITY, SELECTIVITY, ETC. 602007200001 ALC 70. 20. 20. 20. 20. 20. 20. 20. 20. 20. 2
111.	RECOMMENDATIONS (1) RECOMMENDED OR NOT (2) IF RECOMMENDED, FOR WHAT APPLICATIONS
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REQUEST FOR EQUIPMENT EVALUATION	•		2110	
REVOCATION EVOTIMENT EVALUATION		PRIORITY CLASS	DATE	
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No nomenclature assigned. This :	receiver :	is to be considered	l as a test	
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MODEL			207	
MODEL		PRICE	•	
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CLASS A (Complete A & A) X CLASS B (Partial A & A)		c (General)	· · · · · · · · · · · · · · · · · · ·	
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PURPOSE OF EVALUATION	A SECRE	CONFIDENT	ONCLASS.	
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	REQUIREMENT	S		
PROPOSED USE OR OPERATION				
None				
GEOGRAPHIĆ AREA OF PROPOSED USAGE				
None		· 	:	
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TYPE OF EVALUATION EXPLANATION CLASS A (1) ANALYSIS OF SUITABILITY OF CIRCUITS SELECTED TO PERFORM VARIOUS FUNCTIONS. RECOMMENDATIONS FOR IMPROVEMENT OF CIRCUIT DESIGN AND/OR INCORPORATION OF MORE SUITABLE COMPONENTS (2) FLEXIBILITY OF SYSTEM FEATURES (3) ANALYSIS OF PROBABLE RELIABILITY OF OPERATION . (4) (5) ANALYSIS OF FORM FACTOR OF UNITS OF SYSTEM WHERE APPLICABLE (6) EVALUATION OF RELATIVE EASE OF MAINTENANCE AND "SERVICING EVALUATION OF POSSIBLE METHODS OF FURTHER SIZE AND WEIGHT REDUCTION WHERE THIS IS AN IMPORTANT FACTOR (7) ANALYSIS OF IMMUNITY TO FUNGUS, CORROSION, DUST, WATER IMMERSION, ETC. (8) ANALYSIS OF COMPLEXITY OF OPERATION AND RELATIVE DEGREE OF OPERATOR SKILL REQUIRED (9) (10) ANALYSIS OF OPERATIONAL SUITABILITY FOR KNOWN TYPES OF FIELD STATION OR BASE STATION EMPLOYMENT (11)COMPARISON WITH OTHER KNOWN SYSTEMS, DEVICES OR COMPONENTS OF SYSTEMS DESIGNED FOR SIMILIAR FUNCTIONS CLASS B - THIS TYPE EVALUATION INCLUDES THE TEST AND EVALUATION OF ONLY THOSE CHARACTERISTICS OF A SYSTEM, DEVICE OR COMPONENT OF A SYSTEM WHICH ARE SPECIFIED BY THE REQUESTING INDIVIDUAL OR OFFICE. THE CONCLUSIONS AND RECOMMENDATIONS MAY INVOLVE ANY OF THE LISTED CATEGORIES UNDER THE CLASS "A" EVALUATION DESCRIBED ABOVE AND IS DEPENDENT UPON THE NATURE OF THE REQUEST. CLASS C (1) FLEXIBILITY OF SYSTEM FEATURES (2) SUITABILITY OF FORM FACTOR OF UNITS (3) ANALYSIS OF POSSIBLE APPLICATIONS OF ITEM UNDER CONSIDERATION ANALYSIS OF DEGREE OF OPERATOR SKILL REQUIRED (5). COMMENTS ON UNUSUAL OR NOVEL CHARACTERISTICS WHICH MAY BE EVIDENT FROM TESTS, INSPECTION OR CLAIMED BY THE MANUFACTURER CLASS D . THE OPERATIONAL EVALUATION PERFORMED INCLUDES THE FOLLOWING INFORMATION: I. PHYSICAL (1) DEFECTS. DAMAGES, OMISSIONS IN PACKING NOTED UPON DELIVERY COMPLEXITY OF ASSEMBLY OR DISASSEMBLY (2) MECHANICAL RELIABILITY (3) II. OPERATIONAL (1) COMPLEXITY OF TUNING OR FUNCTIONAL CHANGES ELECTRICAL RELIABILITY (2) (3) OMISSIONS OF FEATURES, I.E.: POOR STABILITY, RESETTABILITY, SELECTIVITY, ETC. III. RECOMMENDATIONS (1) RECOMMENDED OR NOT (2) IF RECOMMENDED. FOR WHAT APPLICATIONS